Cunningham Radiotron

RCA-V99, RCA-X99

DETECTOR, AMPLIFIER

Filament	V99-Thoriated Tungsten	X99-Coated	
Voltage	3.0 - 3.3		d-c volts
Current	0.060 - 0.063		amp.
Direct Interelectrode Capacitances:			
Grid to Plate	3.3		μμf
Grid to Filament	2.5		μμf
Plate to Filament	2.5		μμf

	Type V99	*Type X99*
Maximum Overall Length	3-1/2"	4"
Maximum Diameter	1-1/16"	1-3/16"
Bulb	T-8	T-8
Base	Small 4-Nub	Small 4-Pin

Type V99	*Type X99*
Nub 1-Grid	Pin 1-Filament+
Nub 2-Filament+	Pin 2-Plate
Nub 3-Plate	Pin 3-Grid
Nub 4-Filament-	Pin 4-Filament-

BOTTOM VIEWS

AMPLIFIER (Class A)

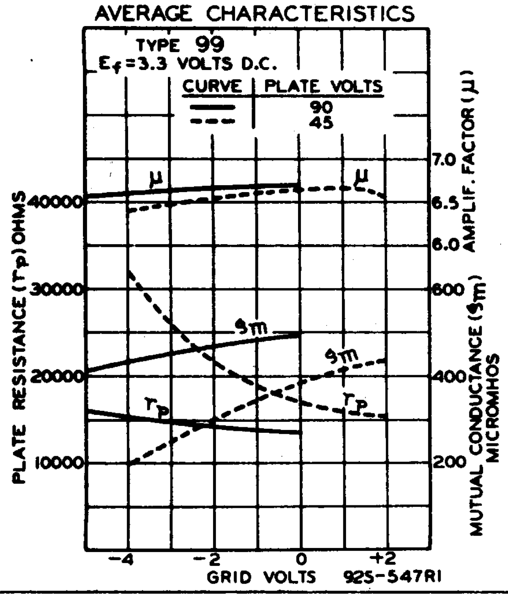
Operating Conditions and Characteristics:

Filament	3.3	d-c volts
Plate	90 maximum	volts
Grid	-4.5	volts
Amp. Fact.	6.6	
Plate Res.	15500	ohms
Mut. Cond.	425	μmhos
Plate Cur.	2.5	ma.

DETECTOR

Typical Operation:	*Biased*	*Grid-Leak*	
Filament	3.3	3.3	d-c volts
Plate	90 max.	45	volts
Grid	-10.5 approx.	Return to (+) Fil.	volts
Plate Cur.	Adjusted to 0.2 ma. with no input signal	-	
Grid Leak	-	0.25 to 5	megohms
Grid Condenser	-	0.00025	μf

AVERAGE CHARACTERISTICS

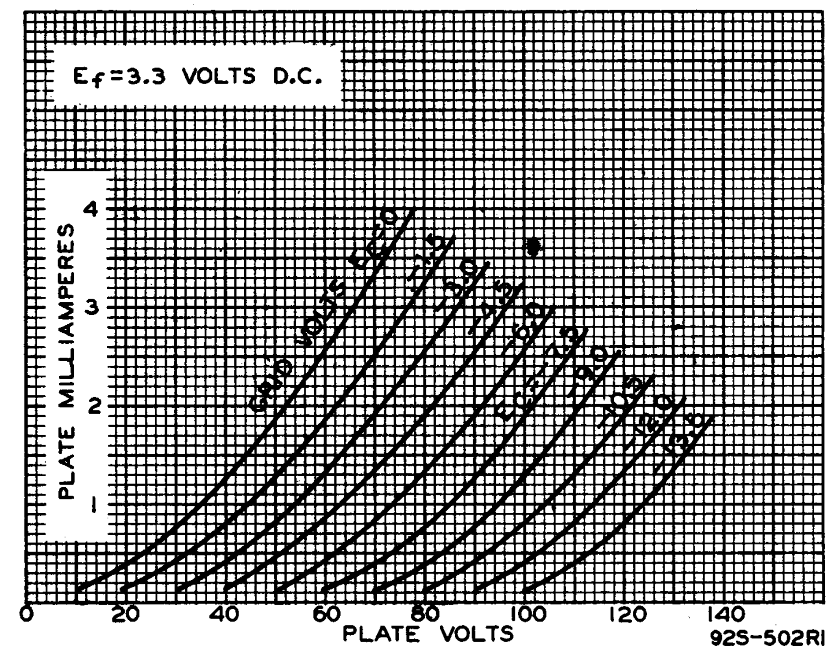


RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

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AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS

